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NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
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NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
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NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

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FILE COVERS 1907 - 11 Mar 2008 VOL 148 ISS 11
FILE LAST UPDATED: 10 Mar 2008 (20080310/ED)

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=> s bisphenol a
         76851 BISPHENOL
          4936 BISPHENOLS
         78332 BISPHENOL
                 (BISPHENOL OR BISPHENOLS)
      21884327 A
L1   66419 BISPHENOL A
                 (BISPHENOL(W)A)

=> s adduct
         86064 ADDUCT
         68783 ADDUCTS
L2   124304 ADDUCT
                 (ADDUCT OR ADDUCTS)

=> s l1 and l2
L3   4016 L1 AND L2

=> s phenol
        259014 PHENOL
        125481 PHENOLS

```
L4      324247 PHENOL
                (PHENOL OR PHENOLS)

=> s l3 and l4
L5         732 L3 AND L4

=> s filter
        284415 FILTER
        148755 FILTERS
L6      344158 FILTER
                (FILTER OR FILTERS)

=> s l5 and l6
L7          18 L5 AND L6

=> dup rem
ENTER L# LIST OR (END):l7
PROCESSING COMPLETED FOR L7
L8           18 DUP REM L7 (0 DUPLICATES REMOVED)

=> d bib abs hitstr 1-18

L8   ANSWER 1 OF 18  CAPLUS  COPYRIGHT 2008 ACS on STN
AN   2007:1088242  CAPLUS
DN   147:386412
TI   Process for producing bisphenol A
IN   Yoshitomi, Kazuyuki; Kodama, Masahiro; Masuda, Shuichi; Iwasaki, Shuji;
     Homma, Tomoki; Suda, Hideki
PA   Idemitsu Kosan Co., Ltd., Japan; Tsukishima Kikai Co., Ltd.
SO   PCT Int. Appl., 23pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
PI   WO 2007108259        A1    20070927    WO 2007-JP52724        20070215
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP,
             KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
             MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,
             RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     JP 2007246452        A     20070927    JP 2006-73385          20060316
PRAI JP 2006-73385        A     20060316
AB   A process for producing bisphenol A with the use of a
     horizontal belt filter, the horizontal belt filter
     used for solid-liquid separation of slurry formed by crystallization of
bisphenol
     A/phenol adduct from a phenol solution
     of bisphenol A obtained by carrying out reaction
     between phenol and acetone in the presence of an acid catalyst,
     wherein the horizontal belt filter is fitted with a
     filter cloth of 50 to 100 mL/cm2·sec air permeability
     obtained by weaving a yarn of uniform diameter, which filter cloth
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realizes prolongation of filter cloth lifetime and exhibiting of stable filtration performance.
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2007:874129 CAPLUS
DN 147:235644
TI Process and equipment for recovery of bisphenol A
IN Yoshitomi, Kazuyuki; Kodama, Masahiro; Masuda, Shuichi; Takegami, Keizou; Suda, Hideki
PA Idemitsu Kosan Co., Ltd., Japan; Tsukishima Kikai Co., Ltd.
SO PCT Int. Appl., 19pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2007088689	A1	20070809	WO 2006-JP325832	20061226
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
JP 2007204433	A	20070816	JP 2006-25720	20060202
PRAI JP 2006-25720	A	20060202		

AB The process for recovery of bisphenol A from an isomerization fluid comprises feeding in the presence of phenol an isomerization fluid into a crystallizer which is equipped with an external jacket and has the function of scraping a deposit on the inside wall with scraper blades while cooling the inside of the crystallizer by passing cooling water through the external jacket to crystallize a bisphenol A/phenol adduct in the presence of phenol, scraping the adduct deposited on the inside wall of the crystallizer to obtain a slurry containing the adduct, filtering and washing the slurry with a solid-liquid separation batch-wise filter having a washing function to recover the adduct, and recycling the adduct to concentration step and/or crystallization/solid-liquid separation step. The equipment for the recovery thereof is constituted of a jacketed crystallizer having the function of scraping with scraper blades and a batch-wise filter having a washing function.
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:1282835 CAPLUS
DN 146:46743
TI Preparation of bisphenol A by reacting phenol with acetone
IN Blaschke, Ulrich; Westernacher, Stefan; Braun, Arne; Audenaert, Raymond; Zank, Jesko

PA Bayer Materialscience A.-G., Germany
SO Eur. Pat. Appl., 14pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1728777	A1	20061206	EP 2006-10611	20060523
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
DE 102005025788	A1	20061207	DE 2005-102005025788	20050604
SG 127857	A1	20061229	SG 2006-3736	20060601
CN 1872827	A	20061206	CN 2006-10084581	20060602
KR 2006126403	A	20061207	KR 2006-49904	20060602
JP 2006335760	A	20061214	JP 2006-155618	20060605
US 2007004941	A1	20070104	US 2006-446368	20060605
PRAI DE 2005-102005025788	A	20050604		

OS CASREACT 146:46743
AB Bisphenol A is prepared by the steps, (a) converting phenol and acetone in the presence of sulfonic acid ion exchanger and a cocatalyst to bisphenol A containing mixture, (b) continuous crystallizing bisphenol A-phenol adduct from the product mixture, (c) separating the bisphenol A-phenol adduct crystal by filtration, and washing the filtration cake with phenolic solution, followed by distillative separation of water from the liquid phases, (d) preparing a homogeneous solution containing 15-35%, preferably 20-30% bisphenol A, 0.05-2%, preferably 0.1-1.1% isomers and 0.1-10% water in phenol from the filter cake in step (c), (e) continuous crystallization of a bisphenol of A-phenol adduct from the solution in ≥1 crystallizer, (f) separation of the bisphenol A-phenol-Adduct crystals by filtration, and washing the filter cake with phenolic soln, (g) removal of phenol from bisphenol A-phenol adduct by heating up at a temperature ≥120°.
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:811722 CAPLUS
DN 143:212285
TI Production of bisphenol A with a reduced sulphur content
IN Neumann, Rainer; Blaschke, Ulrich; Westernacher, Stefan
PA Bayer Materialscience A.-G., Germany
SO PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005075395	A1	20050818	WO 2005-EP614	20050122
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				

TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

	DE 102004005723	A1	20050825	DE 2004-102004005723	20040205
	EP 1713751	A1	20061025	EP 2005-701120	20050122
	R: BE, DE, ES, NL, PL				
	CN 1914140	A	20070214	CN 2005-80003734	20050122
	JP 2007520501	T	20070726	JP 2006-551753	20050122
	US 2005215833	A1	20050929	US 2005-43800	20050126
	US 7112703	B2	20060926		
	IN 2006CN02859	A	20070706	IN 2006-CN2859	20060804
PRAI	DE 2004-102004005723	A	20040205		
	WO 2005-EP614	W	20050122		

AB Bisphenol A monomer having a low sulfur content, manufactured by the ion exchanger-catalyzed condensation of phenol with acetone, is prepared by filtering the crude sulfur particle-containing reaction mixture and then crystallizing and filtering out the bisphenol A-phenol adduct.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:960149 CAPLUS
DN 143:248790
TI Method for manufacturing bisphenol A
IN Koga, Yoshio
PA Mitsubishi Chemical Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005232134	A	20050902	JP 2004-46491	20040223
PRAI	JP 2004-46491		20040223		

AB In the title method including the step of subjecting the slurry of bisphenol A-phenol adduct to solid/liquid separation, multiple solid/liquid separators are used, the solid obtained from the preceding solid/liquid separator(s) is dispersed again in a solvent to give a slurry, and the resulting slurry is subjected to solid/liquid separation by the following solid/liquid separator(s) : this operation is done once or ≥ 2 times. The first solid/liquid separator is a rotary drum filter type solid/liquid separator; the following solid/liquid separators are screen bowl type solid/liquid separators. An addnl. claim deals with the washing of the cake [obtained by solid/liquid separation in the screen bowl type solid/liquid separator(s)] by using phenol. The title method provides highly pure bisphenol A.

L8 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:740283 CAPLUS
DN 141:245239
TI Process for recovering an adduct of a bis(4-hydroxyaryl)alkane and a phenolic compound
IN Patrascu, Emil; Frey, Johann-Wilhelm; Hagel, Manfred
PA Dow Global Technologies, Inc., USA; Dow Deutschland Inc.

SO PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004076394	A1	20040910	WO 2004-US1118	20040116
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1597224	A1	20051123	EP 2004-702992	20040116
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1753856	A	20060329	CN 2004-80004859	20040116
	JP 2006518377	T	20060810	JP 2006-502852	20040116
	US 2006224025	A1	20061005	US 2005-541779	20050711
	IN 2005CN01964	A	20070727	IN 2005-CN1964	20050818
PRAI	US 2003-448918P	P	20030221		
	WO 2004-US1118	W	20040116		

AB A process for recovering a solid adduct of a bis(4-hydroxyaryl)alkane and a phenolic compound from a suspension comprising the addict, comprises the steps of: (a) supplying the suspension to a rotary filter; (b) filtering the supplied suspension in the rotary filter to retain adduct as an adduct cake; (c) pre-drying the adduct cake with an inert gas; (d) washing the pre-dried adduct cake; (e) optionally drying the washed adduct cake; and (f) discharging the washed adduct cake from the rotary filter. Thus, a pure bis(4-hydroxyaryl)alkane is obtained through the adduct recovered when it is melted and the phenolic compound is distilled off.
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:354896 CAPLUS
DN 140:357057
TI Process for producing bisphenol A
IN Kodama, Masahiro; Hirano, Kazuyuki; Takegami, Keizou; Suda, Hideki
PA Idemitsu Petrochemical Co., Ltd., Japan; Tsukishima Kikai Co., Ltd.
SO PCT Int. Appl., 17 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004035512	A1	20040429	WO 2003-JP13184	20031015
	W: BR, CN, ID, IN, KR, SG, US, ZA				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
	JP 2004137197	A	20040513	JP 2002-303001	20021017
	CN 1705627	A	20051207	CN 2003-80101538	20031015
PRAI	JP 2002-303001	A	20021017		

OS CASREACT 140:357057
AB Disclosed is a process for producing bisphenol A which

comprises crystallizing an adduct of bisphenol A with phenol from a reaction mixture comprising phenol and acetone, subjecting the resultant slurry to solid-liquid separation, and then removing the phenol from the solid matter, characterized by introducing the bisphenol A/phenol slurry solution containing a bisphenol A/phenol adduct in a crystalline state onto a horizontal endless belt filter at a reduced pressure in a stream of a heated inert gas to form a layer of the crystalline bisphenol A/phenol adduct on the filter, separating the mother liquor from the adduct layer through the filter to regulate the liquid content in the adduct layer to 30 weight% or lower, and then allowing the adduct layer to sep. from the filter by its own weight By the process, crystals of a bisphenol A /phenol adduct can be stably and continuously separated from the mother liquor and the crystals having a high purity can be efficiently recovered. Phenol can be removed from bisphenol A/phenol adduct by melting the adduct and distilling away phenol under reduced pressure. Bisphenol A is a raw material for engeneering plastics such as polycarbonate and polyacrylate resins or epoxy resins.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:203788 CAPLUS
DN 140:237533
TI Process for producing bisphenol A
IN Hirano, Kazuyuki; Ogata, Norio
PA Idemitsu Petrochemical Co., Ltd., Japan
SO PCT Int. Appl., 17 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004020377	A1	20040311	WO 2003-JP9604	20030729
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003252295	A1	20040319	AU 2003-252295	20030729
	EP 1541542	A1	20050615	EP 2003-791186	20030729
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1678554	A	20051005	CN 2003-820246	20030729
	IN 2005CN00284	A	20070907	IN 2005-CN284	20050228
	US 2006011541	A1	20060119	US 2005-525528	20050817
	US 7045664	B2	20060516		
PRAI	JP 2002-248141	A	20020828		
	WO 2003-JP9604	W	20030729		

OS CASREACT 140:237533

AB In the process, when bisphenol A is taken out of a reaction mixture, a high-purity adduct of bisphenol A with phenol is rapidly and efficiently recovered from the mother liquor resulting from the reaction. The process for producing bisphenol A comprises crystallizing a bisphenol A/phenol adduct from a bisphenol A phenol solution obtained by reacting phenol with acetone in the presence of an acid catalyst, subjecting the resultant slurry to solid-liquid separation, and then removing the phenol from the solid ingredient, wherein the phenol slurry solution of bisphenol A which contains the bisphenol A/phenol adduct in the form of crystals having an average particle diameter of 0.05 to 1 mm is poured on a filter and filtered under vacuum in an inert gas stream having an oxygen content of 5,000 ppm by volume or lower at 30 to 80° to form a layer of the bisphenol A/phenol adduct in the form of crystals.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:433028 CAPLUS
DN 140:424094
TI Production method of high quality bisphenol A
IN Nohoshi, Hideki; Sato, Hideki; Hirose, Kenji; Hirano, Kazuyuki
PA Idemitsu Petrochemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004149510	A	20040527	JP 2003-58984	20030305
	JP 3981334	B2	20070926		
PRAI	JP 2002-258427	A	20020904		

AB Title method comprises (A) a step of obtaining a reaction mixture by condensation of excessive phenol and acetone in the presence of acid catalysts, (B) a step of concentration of the resulting reaction mixture, (C) a step of crystallization and separation of adducts of bisphenol A and phenol from the concentrated residual solution, (D) a step of dissoln. of the adducts of bisphenol A and phenol in phenol-containing solution, (E) a step of ≥1 repeated crystallization, separation, and dissoln. of the adducts of bisphenol A and phenol in phenol -containing solution, and (F) a step of heat-melting the adducts and removing phenol, wherein the filteration step between step A and step B by a filter and at least one filtration step between step D and step E by a filter are present. Thus, 10 mol phenol, 1 mol acetone, and ethylmercaptane were fed into a fixed bed tube reactor filled with Diaion SK 103H and reacted at 75°, the resulting reaction product was filtered with a filter, vacuum-distillated water, ethylmercaptane, and acetone at 170° under 67 kPa and phenol at 130° under 14 kPa to give 40% bisphenol A solution containing phenol, water was added therein, separated, heated at 90°, filtered with a glass fiber filter, repeated separation, heating, and filteration, and washed with phenol to give a bisphenol A-phenol adduct crystal, the resulting adduct crystal was heated at 130° to remove phenol and heated at 220° for 40

min to give bisphenol A with APHA 10.

L8 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2003:796633 CAPLUS
DN 139:307600
TI Process for preparation and purification of bisphenol A
IN Kodama, Masahiro; Hirano, Kazuyuki; Ogata, Norio
PA Idemitsu Petrochemical Co., Ltd., Japan
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003082785	A1	20031009	WO 2003-JP3330	20030319
	W: BR, CN, ID, IN, KR, SG, US, ZA				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR				
	JP 2003286214	A	20031010	JP 2002-96701	20020329
	EP 1491520	A1	20041229	EP 2003-712759	20030319
	EP 1491520	A9	20050720		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
	BR 2003008849	A	20050104	BR 2003-8849	20030319
	CN 1646458	A	20050727	CN 2003-807491	20030319
	IN 2004CN02133	A	20060303	IN 2004-CN2133	20040924
	US 2005222467	A1	20051006	US 2005-508012	20050419
PRAI	JP 2002-96701	A	20020329		
	WO 2003-JP3330	W	20030319		

OS CASREACT 139:307600
AB This invention pertains to a method for production of bisphenol A which comprises subjecting a phenolic slurry of bisphenol A, wherein an adduct of bisphenol A with phenol is contained in a crystalline state, to filtration to form a layer of the crystalline adduct on the filter, washing the layer with a washing liquid, dissolving the resulting layer in a phenol-containing liquid, subjecting the obtained solution to crystallization to form a phenolic slurry of bisphenol A, wherein an adduct of bisphenol A with phenol is contained in a crystalline state, and centrifuging the later slurry to sediment the crystalline adduct. According to the process, an adduct of bisphenol A with phenol can be recovered efficiently at high purity.
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2002:185229 CAPLUS
DN 136:249490
TI Polymer, polymer microfiber, polymer nanofiber and applications including filter structures
IN Chung, Hoo Y.; Hall, John R. B.; Gogins, Mark A.; Crofoot, Douglas G.; Weik, Thomas M.
PA Donaldson Company, Inc., USA; Donaldson Co Inc
SO PCT Int. Appl., 92 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 7

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

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PI	WO 2002020668	A2	20020314	WO 2001-US24948	20010809
	WO 2002020668	A3	20030724		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003106294	A1	20030612	US 2001-871583	20010531
	US 6743273	B2	20040601		
	CA 2419770	A1	20020314	CA 2001-2419770	20010809
	AU 2001084771	A	20020322	AU 2001-84771	20010809
	EP 1358272	A2	20031105	EP 2001-963852	20010809
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001013658	A	20040120	BR 2001-13658	20010809
	JP 2004508447	T	20040318	JP 2002-525679	20010809
	CN 1543487	A	20041103	CN 2001-815165	20010809
	CN 1763274	A	20060426	CN 2005-10116222	20010809
	CN 1765983	A	20060503	CN 2005-10116220	20010809
	AU 2001284771	B2	20061207	AU 2001-284771	20010809
	EP 1733776	A2	20061220	EP 2006-14221	20010809
	EP 1733776	A3	20071128		
	R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, TR				
	RU 2300543	C2	20070610	RU 2003-107850	20010809
	EP 1820553	A2	20070822	EP 2007-3080	20010809
	EP 1820553	A3	20071121		
	R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, TR				
	CN 101117736	A	20080206	CN 2007-10141957	20010809
	EP 1795250	A1	20070613	EP 2007-100552	20010810
	R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, TR				
	EP 1795249	A1	20070613	EP 2007-104779	20010810
	R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, TR				
	CA 2419849	A1	20020314	CA 2001-2419849	20010821
	BR 2001013656	A	20030701	BR 2001-13656	20010821
	EP 1326697	A2	20030716	EP 2001-968055	20010821
	EP 1326697	B1	20050615		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2004508165	T	20040318	JP 2002-524604	20010821
	AT 297798	T	20050715	AT 2001-968055	20010821
	RU 2280491	C2	20060727	RU 2003-109758	20010821
	MX 2003PA01881	A	20040420	MX 2003-PA1881	20030303
	MX 2003PA01929	A	20040524	MX 2003-PA1929	20030304
	US 2004060268	A1	20040401	US 2003-676189	20030930
	US 6924028	B2	20050802		
	US 2004060269	A1	20040401	US 2003-676239	20030930
	US 6955775	B2	20051018		
	US 2004123572	A1	20040701	US 2003-676185	20030930
	US 7090715	B2	20060815		
	US 2004187454	A1	20040930	US 2004-757924	20040114
	US 7070640	B2	20060704		

	US 2007012007	A1	20070118	US 2004-894848	20040719
	US 7179317	B2	20070220		
	US 2005183405	A1	20050825	US 2005-110625	20050420
	US 7090712	B2	20060815		
	US 2006117730	A1	20060608	US 2006-331555	20060116
	US 7270693	B2	20070918		
	US 2007271883	A1	20071129	US 2006-398788	20060406
	US 7318852	B2	20080115		
	US 2007283808	A1	20071213	US 2006-398922	20060406
	US 7316723	B2	20080108		
	US 2006196359	A1	20060907	US 2006-411577	20060425
	US 7270692	B2	20070918		
	US 2007271891	A1	20071129	US 2006-592402	20061102
	US 7318853	B2	20080115		
	AU 2007201000	A1	20070329	AU 2007-201000	20070307
	US 2008010959	A1	20080117	US 2007-901686	20070918
	IN 2007DN09873	A	20080118	IN 2007-DN9873	20071219
PRAI	US 2000-230138P	P	20000905		
	US 2001-871583	A	20010531		
	US 2001-871156	A	20010531		
	US 2001-871582	A	20010531		
	US 2001-871590	A	20010531		
	AU 2001-84771	T0	20010809		
	CN 2001-815165	A3	20010809		
	EP 2001-963852	A3	20010809		
	WO 2001-US24948	W	20010809		
	EP 2001-962050	A3	20010810		
	EP 2001-963922	A3	20010810		
	WO 2001-US26045	W	20010821		
	IN 2003-DE276	A3	20030303		
	US 2003-676189	A3	20030930		
	US 2003-741788	A1	20031219		
	US 2004-894848	A1	20040719		
	US 2005-110625	A1	20050420		
	US 2006-411577	A1	20060425		

AB Polymer mixts. are conditioned or treated at elevated temps. so as to form a single chemical specie or an annealed blend are useful for formation of micro- and nanofibers for filters with improved efficiency and increased resistance to temperature and humidity. Typical fibers were manufactured by electrospinning blends of 50-80 parts SVP 651 (nylon 6-nylon 66-nylon 610 copolymer) and 20-50 parts GP 5137 (HCHO-phenol resin) and heating the fibers at, e.g., 90° for 12 h for the 65:35 blend.

L8 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2002:688129 CAPLUS
DN 137:217369
TI Method for manufacture of colorless bisphenol A
IN Hirano, Kazuyuki; Fujimoto, Takeshi
PA Idemitsu Petrochemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002255881	A	20020911	JP 2001-60201	20010305
	WO 2002070444	A1	20020912	WO 2002-JP1535	20020221

W: BR, CN, ID, IN, KR, SG, US, ZA
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,

PT, SE, TR
EP 1367043 A1 20031203 EP 2002-700662 20020221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR
IN 2002CN01791 A 20050211 IN 2002-CN1791 20021030
US 2003120120 A1 20030626 US 2002-258578 20021031
US 6686508 B2 20040203
PRAI JP 2001-60201 A 20010305
WO 2002-JP1535 W 20020221
AB The method includes reaction of acetone with excess phenol in the presence of acid catalysts to give bisphenol A, condensation of the reaction mixts., recrystn. and separation of bisphenol A-phenol adduct from the condensates, dissoln. of the adduct in phenol-containing solvents, recrystn. and separation from bisphenol A-phenol adduct from the solns., optionally repeating dissoln., recrystn., and separation, melting the adduct by heat, and elimination of phenol, wherein the solns. are filtered before the recrystn. and separation Thus, a phenol solution of bisphenol A-phenol adduct manufactured by using Diaion SK 103H (acid cation exchanger) was filtered with a glass fiber filter. Bisphenol A given from the filtered solution showed APHA 15.

L8 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2001:449826 CAPLUS
DN 135:46600
TI separation and purification of bis(4-hydroxyaryl)alkanes using a vacuum drum filter
IN Neumann, Rainer; Lanze, Rolf; Heydenreich, Friedrich; Boediger, Michael; Prein, Michael
PA Bayer A.-G., Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19961521	A1	20010621	DE 1999-19961521	19991220
WO 2001046105	A1	20010628	WO 2000-EP12323	20001207
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000016505	A	20020827	BR 2000-16505	20001207
EP 1242350	A1	20020925	EP 2000-990667	20001207
EP 1242350	B1	20040331		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003518049	T	20030603	JP 2001-546619	20001207
ES 2218277	T3	20041116	ES 2000-990667	20001207
TW 568901	B	20040101	TW 2000-89127150	20001219
IN 2002MN00733	A	20040313	IN 2002-MN733	20020605
MX 2002PA06089	A	20030128	MX 2002-PA6089	20020619
US 2003038094	A1	20030227	US 2002-149905	20020905

	US 6906227	B2	20050614		
	HK 1054920	A1	20060106	HK 2003-107259	20031009
PRAI	DE 1999-19961521	A	19991220		
	WO 2000-EP12323	W	20001207		

AB Adducts of bis(4-hydroxyaryl)alkanes (prepared by acid-catalyzed reaction of aromatic hydroxy compds. with ketones) with hydroxyarenes are separated and purified by continuous filtration in a rotating vacuum drum filter. The drum filter contains filter cells including a suction zone, a washing zone, a dry suction zone, an aeration zone, and optionally a filter cake withdrawal zone and a cloth filter washing zone. The crystals (filter cake) are separated in an amount of 800 kg/h and washed in the washing zone with 50-150% PhOH (filter cake basis) at 45-70°. Process conditions (e.g. drum speed, filter cake thickness, circulation N2) are set so that the residual moisture content of the filter cake is <30%. Purified adduct crystals are melted on a heating spiral and collected in collecting tanks. Purification of 2,2-bis(4-hydroxyphenyl)propane (BPA) according to the process gave BPA crystals in a purity of >99% and with PhOH content of <50 ppm.

L8 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2000:725585 CAPLUS
DN 133:296855
TI Production of bisphenol A
IN Yamamoto, Susumu; Kukidome, Atsumi; Nomura, Makoto; Maehara, Keiji; Nagahama, Kenji
PA Chiyoda Corp., Japan
SO PCT Int. Appl., 11 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000059853	A1	20001012	WO 1999-JP4724	19990831
	W: AU, BR, CA, CN, ID, IN, KR, MX, PL, SG, TR, US, VN				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 2000290209	A	20001017	JP 1999-92554	19990331
	JP 3903634	B2	20070411		
	AU 9954466	A	20001023	AU 1999-54466	19990831
	EP 1165476	A1	20020102	EP 1999-940594	19990831
	EP 1165476	B1	20030611		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	TW 467888	B	20011211	TW 1999-88116866	19990930
	US 6512148	B1	20030128	US 2001-937401	20010926
PRAI	JP 1999-92554	A	19990331		
	WO 1999-JP4724	W	19990831		

AB The production of bisphenol A comprises providing a melt of a crystalline adduct of bisphenol A and phenol, contacting the melt with a cation-donating solid to neutralize the strong acid contaminant contained in the melt, and then heating the melt to vaporize and remove phenol from the melt. This method diminishes the decomposition caused by the acid. An example was provided which used a glass fiber filter containing Na2O and CaO as the cation-donating solid to neutralize the acid.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2000:828884 CAPLUS
DN 133:350049
TI Preparation of bisphenol A
IN Hayashi, Koichi; Harada, Takeshi; Nakamoto, Masahiko
PA Mitsubishi Chemical Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000327614	A	20001128	JP 1999-139633	19990520
	JP 3903644	B2	20070411		
PRAI	JP 1999-139633		19990520		

AB A glass fiber filter is placed between either steps (a) and (b), (b) and (c), or (d) and (e) in the preparation of the title compound (a known intermediate for polymers) comprising the following steps: (a) reaction of phenol and acetone in the presence of an acidic catalyst; (b) removal of the catalyst and components with low b.ps. from the reaction mixture of step (a); (c) the reaction mixture is cooled to give the precipitate (bisphenol A-phenol adduct), and said adduct is separated from the reaction mixture; (d) the heating and melting of said adduct; (e) removal of phenol from the mixture of step (d); (f) the bisphenol A is cooled, solidified, and granulated. This invention provides bisphenol A containing ≤ 20 ppm phenol, vs. bisphenol A containing ≥ 20 ppm phenol obtained in the prior art.

L8 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1999:417978 CAPLUS
DN 131:74141
TI Manufacture of bisphenols and polycarbonates therefrom
IN Kimura, Takato; Omori, Satoru; Sato, Yoshizo; Shimoda, Tomoaki
PA Nihon GE Plastics, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11180920	A	19990706	JP 1997-355055	19971224
	JP 3946845	B2	20070718		
	US 6008315	A	19991228	US 1998-208651	19981210
	EP 926118	A1	19990630	EP 1998-310177	19981211
	EP 926118	B1	20020911		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	ES 2183294	T3	20030316	ES 1998-310177	19981211
	SG 71883	A1	20000418	SG 1998-5611	19981214
	CN 1227834	A	19990908	CN 1998-127148	19981224
	TW 444031	B	20010701	TW 1998-87121628	19981224
PRAI	JP 1997-355055	A	19971224		

AB Highly purified bisphenols are manufactured by reaction of phenols and ketones and filtering the resulting liquid bisphenols or their mixture with phenols through a sintered metal filter. Thus, treating 1/5 mol PhOH and Me2CO in the presence of sulfonic acid-type cation exchanger resin, distilling the resulting mixture, removing PhOH from the

resulting crude bisphenol A (I) solution to I content of 30%, precipitating I-PhOH adduct from the solution, melting the adduct, distilling PhOH from the mixture, and granulating gave purified I, which was melted at 185° and filtrated through a sintered SUS 316 filter to result in content of 0.5-1.0 μm particles of 1420/g. The filtrated I was polymerized with di-Ph carbonate to a polycarbonate showing the microparticle content of 1640/g-I.

L8 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1994:412985 CAPLUS
DN 121:12985
TI Method for partial elimination of fine crystals from crystallizing slurry and manufacture of crystals with large granularity
IN Zhang, Minghua; et al.
PA China Petrochemical Development Corp., Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1074626	A	19930728	CN 1993-101419	19930217
	CN 1027422	B	19950118		
	WO 9419083	A1	19940901	WO 1994-CN13	19940216
	W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, UZ, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9461057	A	19940914	AU 1994-61057	19940216
	US 5663456	A	19970902	US 1995-501137	19951226
PRAI	CN 1993-101419	A	19930217		
	WO 1994-CN13	W	19940216		

AB The method comprise: (a) supplying a part of crystallizing slurry containing fine crystals having sizes less than a lower limit of granularity from a crystallizer to 1st- and/or 2nd crystal eliminator(s) via 1st filter (in the crystallizer) by a circulating pump and melting the fine crystals in the eliminator(s) by heating, keep crystallizing crystals having sizes larger than the lower limit of granularity in the crystallizer, and feeding back fine crystal-eliminated slurry to the crystallizer via 2nd filter (in the crystallizer) for crystallization; (b) after a switching period, operating the same procedures as process (a), except switching the 1st- and 2nd filter in the procedures for back-flushing; then repeating processes (a) and (b) for plural times. Crystals with large granularity and high purity are obtained. In example, bisphenol A-phenol adduct crystals having granularity 390 μm, and purity 99.999% were obtained by the method.

L8 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1978:426170 CAPLUS
DN 89:26170
OREF 89:4057a,4060a
TI Use of synthetic resin mixtures for the production of biocide-containing coatings
IN Neffgen, Bernd; Plum, Hans; Richter, Michael; Schroer, Ulrich
PA Schering A.-G., Fed. Rep. Ger.
SO Ger. Offen., 26 pp.
CODEN: GWXXBX

DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2647604	A1	19780427	DE 1976-2647604	19761021
	ES 462158	A1	19790101	ES 1977-462158	19770906
	DK 7704262	A	19780422	DK 1977-4262	19770927
	NL 7710810	A	19780425	NL 1977-10810	19771003
	SE 7711818	A	19780422	SE 1977-11818	19771020
	NO 7703601	A	19780424	NO 1977-3601	19771020
	JP 53051236	A	19780510	JP 1977-126371	19771020
	FR 2368522	A1	19780519	FR 1977-31576	19771020
	BE 859997	A1	19780421	BE 1977-181967	19771021
PRAI	DE 1976-2647604	A	19761021		
	DE 1976-2647605	A	19761021		

AB Durable biocidal and antifouling coatings contain as binders glycidyl compds. substituted with R3SnO groups (R = C3-6 hydrocarbyl) and as curing agents reaction products of OH-containing polyamines with trihydrocarbyltin oxides or alkoxides or of polyamines with stannyl 2-alkenoates. Thus, a bisphenol A epoxy resin (I) is condensed with excess ethylenediamine (II), and 100 g this product (OH number 0.41) is heated with 114 g (Bu3Sn)2O in PhMe 5 h with H2O distillation, giving a product containing 21.4% Sn. A filter paper is impregnated with 0.4 g solution of this product 4.7, 75% xylene solution of I 90.9, and 55% solution of I-II adduct (amine number 210) 49.3 g. The paper completely inhibits the growth of Aspergillus niger (3 wk, 30°), while strong growth occurs in the absence of Sn.

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